Honeywell

SCT 3000 Smartline Configuration Toolkit
Model SCT 101
Specifications

34-CT-03-02, July 2013

Description

The **Smartline Configuration Toolkit** is a PC-based engineering and maintenance tool designed specifically for use with Honeywell's Smartline® family of field instrumentation products. The SCT 3000 is a Windows™-based software program that allows easy access to all Smartline configuration database parameters. Familiar Windows tools are employed in the SCT 3000 for increased user productivity, and include an on-line user manual and context sensitive help for first-time users. The SCT 3000 version 5.11.302 runs on Windows 98, 2000 operating systems and version 5.12.265 runs on Windows XP, Windows Vista Ultimate and Windows Vista Business operating systems.

Function

The SCT 3000 communicates with the following Honeywell Smartline products

- ST 3000 Pressure Transmitters *
- STT 3000 Temperature Transmitters, which include the STT150, STT250 and STT350 Series
- SMV 3000 Multivariable Transmitters
- MagneW and MagneW PLUS Electromagnetic Flowmeters

Windows-based displays

Device database parameters are arranged and presented in logically grouped "tab card" displays. Even the casual user can easily navigate through database configuration without the need for prior training, user manuals or previous experience.

* Will not communicate with older ST 3000 transmitters that are analog only and that contain software version 2.2 or earlier, or version 6.1 or earlier.

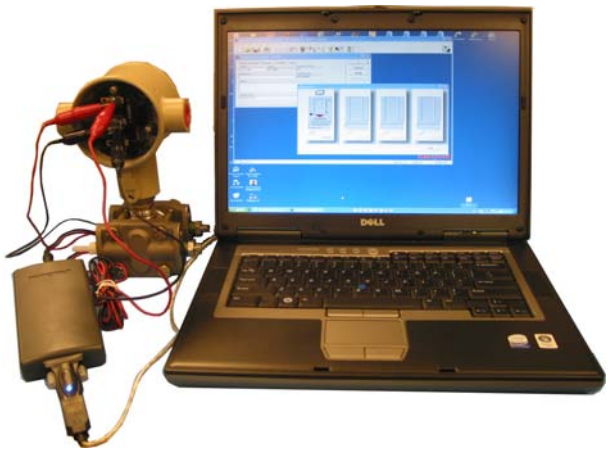


Figure 1 — The SCT 3000 Engineering and Maintenance Software application operating on a laptop PC communicates with a variety of Honeywell Smart field devices and provides easy access to all Smartline configuration database parameters.

On-line and Off-line Modes

You can setup field device databases in either on-line or off-line modes. The off-line mode allows you to configure and store device databases before receipt of the field devices.

In the on-line mode, you can download the stored databases to the devices and perform on-line functions such as:

- Configuration and device diagnosis
- Calibration
- Display of device parameters
- Device check out
- Selection of the Communications Mode.

Built-in Database Templates

Default database templates are provided for each type of field device. Templates simplify and greatly reduce configuration time, effort and error by providing a logical starting point.

Features

Database Verification

Database parameters are checked for “reasonable” values automatically to help avoid mistakes. The SCT 3000 compares and detects differences between the device database and the SCT database providing assurance of proper installation.

Flow Wizard

The SCT 3000 includes a wizard that provides considerable time savings and ease of use for users wishing to configure a transmitter. By providing responses to configuration questions and choices in a step-by-step progression, you can configure the flow process variable in a Smart Multivariable Transmitter (SMV 3000). Upon completion, a configuration solution is generated by the wizard that can be downloaded to the field device.

Monitoring

Graphical controls are employed so you can monitor the operating status of Smartline field devices. A display window shows you values of input PVs, output PVs and SVs of the connected device in real time.

Hardware and Software Included

The SCT 3000 is a bundled package that includes the hardware and software to connect and communicate with Smartline field devices.
Standard hardware includes a *DE Modem, RS 232 Pass Thru Cable and connecting cables. USB option is also available with *DE Modem as an accessory item.
An optional RS-232 interface (option ST) is required when using the SCT 3000 application to communicate with the STT150 temperature transmitter.

***NOTE:** DE Modem is a DE/HART modem as it has the interface built in to support both DE and HART Host applications; However SCT 3000 application supports only DE devices and it uses DE interface part of the modem.

System Requirements

The SCT 3000 software application runs on a variety of commercially-available portable or desktop computer platforms that may also be shared with other applications. This table lists the system capabilities needed to install and operate the SCT 3000 application.

PC Specification	Computer: Laptop or Desktop PC
CPU	Pentium 90 MHz or better
Display	SVGA (Monochrome or Color)
Operating System	Windows 98, 2000, XP, Vista or Windows 7
Pointing Device	Mouse or trackball-compatible device
Power Source **Laptop PC** **Desktop PC**	Battery powered. See Note 1. AC powered. See Note 1.
RAM	16 MB (32MB recommended). See Note 2.
Application Size	12 MB (application) + 5 kB per database file
CD ROM Drive ***Laptop PC*** ***Desktop PC***	4x or higher. See Note 3.
Ports	Parallel: Printer. See Note 4. Serial:For STT150 support and DE modem support for all the other devices. See Note 3. USB Port: For STT150 support and DE modem support in case the Serial port is not supported on the Laptop or PC. See Note 5.

1. Computer power source (and laptop PC's battery charger and/or AC adapter) must be suitable for worldwide use: 50-60 Hz and 100-220 VAC operation.
2. Minimum RAM capacity is 4 MB, but ROM-based portable PCs may be able to run with only 2 MB.
3. These functions require laptop PCs to have a CD ROM Drive, serial port or other mechanism for file transfers:
   - installation of SCT 3000 software and updates
   - configuration database import and export
4. SCT 3000 software supports any Windows 98 (or greater)-compatible printer.
5. To use the SCT 3000 on a desktop or Laptop computer without serial port, you must install USB to RS-232 Converter Driver Software. See the Installation Instructions sheet (34-ST-33-61)

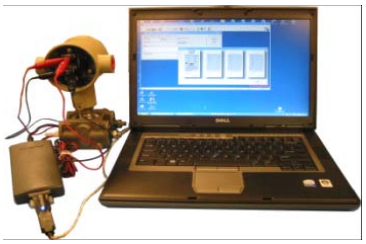
SCT 3000 Hardware Interface Parameters

Parameter	DE Modem (Standard Hardware Interface)	RS-232 Interface (Option ST)
Communication Protocol	Compatible with Honeywell Smart Field Network (SFN)	Computer interface: RS232 Field Device interface: Compatible with 5Vdc level or 3Vdc level
Baud Rate	9600 bps, typical	19200 bps, maximum 9600 bps, typical
Temperature Range ***Operating*** ***Storage***	 -10°C to 50°C -20°C to 60°C	 0°C to +50°C (32°F to +122°F), ambient -40°C to +85°C (-40°F to +185°F), ambient
Operating Humidity Range (RH)	10-90%, noncondensing	10-90%, noncondensing
Weight *(Hardware Interface + cables)*	0.45lbs (approx)	0.5 lbs., maximum
Approval Bodies ***EUROPE***	*European EMC Standards:* EEC Directive 89/336 (EMC) CE Mark	*European EMC Standards:* CE Mark

Model Selection Guide

Model Selection Guides are subject to change and are inserted into the specifications as guidance only.
Prior to specifying or ordering a model check for the latest revision Model Selection Guides which are published at:
www.honeywellprocess.com/sct-3000-smartline-configuration-toolkit.aspx

SCT 3000 Smartline Configuration Toolkit
Model Selection Guide



Instructions

- Select the desired key number. The arrow to the right marks the selection available.
- Make one selection from each table, I, II and III, using the column below the proper arrow. A dot (•) denotes unrestricted availability. A letter denotes restricted availability.

Key Number _ _ _ _ _ _ - I _ _ _ - II _ _ + XXXX (Transmitter & PC not included)

KEY NUMBER

Description	Selection	Avail.
Smartline Configuration Toolkit	SCT101	↓

TABLE I

No Selection	No Selection	0 _ _	•
Cable Length	6 Ft. - Standard	_0 _	•
	20 Ft.	_1 _	•
	No Cable Provided	_2 _	•
Installation Guide & Software	Inst. Guide & CD ROMs (supports: English, German, French, Italian and Spanish). CD ROM A: Supports Windows 98, 2000 CD ROM B: supports Windows XP, Vista	_ _ 2	•

TABLE II - Options

Modem (51453372-Tab) with RS-232 Cable (50032086-001)	44	•

TABLE III

Factory Identification	XXXX	•

Note: Software upgrades can be ordered through Honeywell Worldwide Software Control. Please e-mail Sue Shea.

Accessories	Part Number
SCT 3000 Cable Kit and Installation Guide	50033453-501

** Consult Honeywell's Order Entry System for current Parts Pricing

Ordering Example: SCT101-002-44+ XXXX

Sales and Service

For application assistance, current specifications, pricing, or name of the nearest Authorized Distributor, contact one of the offices below.

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For More Information

Learn more about how Honeywell's Smartline® Configuration Toolkit can increase productivity of your industry, visit our website www.honeywellprocess.com/ or contact your Honeywell account manager.

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